



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

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Status Report on Power Reactors

Rapport d'étape sur les centrales nucléaires

Commission Meeting
March 15, 2018

Réunion de la Commission
Le 15 mars 2018

This document summarizes the status of the
Power Reactor facilities as of March 6,
2018.

Ce document résume le rapport d'étape sur
les centrales nucléaires au 6 mars 2018.

Signed on / Signé le
2018-03-07

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Director General, Directorate of Power Reactor Regulation
Directeur général, Direction de la réglementation des centrales nucléaires

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1. Power Reactors Status as of March 7, 2018

1.1 Bruce A and B

Operational Status
Unit 1 is at Full Power
Unit 2 is at 82%
Unit 3 is at Full Power
Unit 4 is in Guaranteed Shutdown State
Unit 5 is at Full Power
Unit 6 is at Full Power
Unit 7 is at Full Power
Unit 8 is at Full Power
Licensing
Power Reactor Operating Licence expires on May 31, 2020.
Comments
Unit 2 derated due to turbine steam valve issue
Event Notifications and Updates
March 4, 2018: Bruce A Unit 4 PHT pump gland seal leaked please see EIR (to be presented after this report).
Actions from previous Commission meetings
None.

1.2 Darlington

Operational Status
Unit 1 is at Full Power
Unit 2 is Shutdown for Refurbishment.
Unit 3 is at Full Power
Unit 4 is at Full Power
Licensing
Power Reactor Operating Licence expires on November 30, 2025.
Comments
On Friday, February 2nd, during load testing a supply transformer overheated and began to smoke, resulting in a fire alarm. The test was stopped and equipment was put in a safe state. The Darlington Emergency Response Team (ERT) and the Clarington Fire department responded, and command and control was established. The Unit 2 vault was also evacuated. CNSC and OPG posted details on their websites. There was no impact to employees' safety, the public or the environment.
Refurbishment Update
Reactor disassembly is in-progress. The Pressure Tube removal phase was completed on March 3 with all 480 pressure tubes removed. Transition into the Calandria Tube Insert (CTI) Release is in-progress
February 26, 2018: An injury was reported to the CNSC and the Ministry of Labour as a result of a trip while a worker exited Unit 2 vault.

Event Notifications and Updates
February 6, 2018: Unit 2: two workers were contaminated please see EIR (to be presented after this report).
Actions from previous Commission meetings
None.

1.3 Pickering

Operational Status
Unit 1 is at Full Power
Unit 2 is in a Safe Storage State.
Unit 3 is in a Safe Storage State.
Unit 4 is at Full Power
Unit 5 is at Full Power
Unit 6 is in Guaranteed Shutdown State
Unit 7 is at Full Power
Unit 8 is at Full Power
Licensing
Power Reactor Operating Licence expires on August 31, 2018.
Comments
Unit 6: R1861 planned outage started January 4, 2018. The planned completion date of the outage is mid-April 2018.
Unit 5: February 23, 2018 entered a forced outage. There was an issue with the turbine Electro-Hydraulic Governor - conventional side. The unit returned to Full Power on March 3, 2018. CNSC staff are satisfied with OPG's conclusions and actions taken. At no time was there any risk to workers, the public, or the environment. No release occurred and no safety systems were affected.
Event Notifications and Updates
None.
Actions from previous Commission meetings
None.

1.4 Point Lepreau

Operational Status
Unit is at Full Power
Licensing
Power Reactor Operating Licence expires on June 30, 2022.
Comments
None.
Event Notifications and Updates
None.
Actions from previous Commission meetings

None.

1.5 Other